6404779

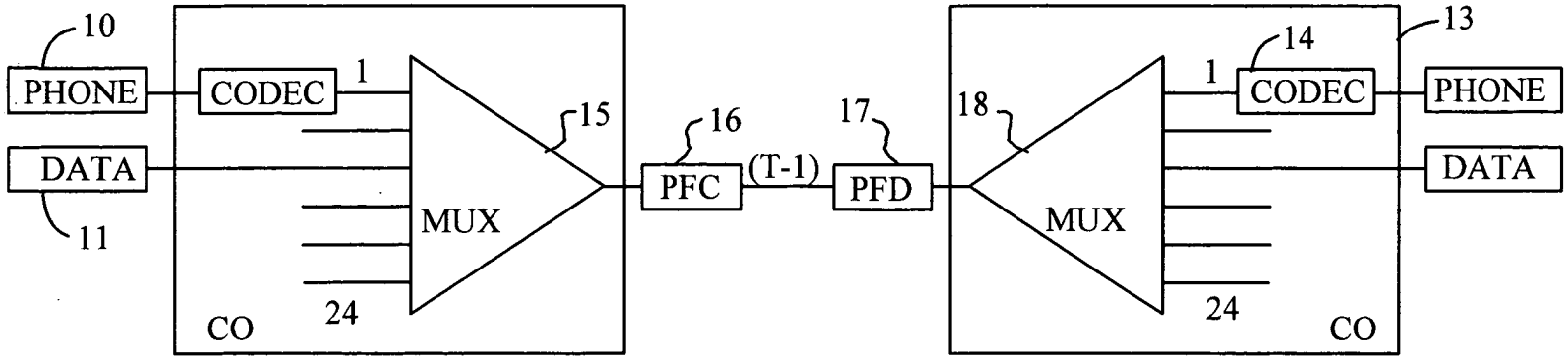

FIG. 1

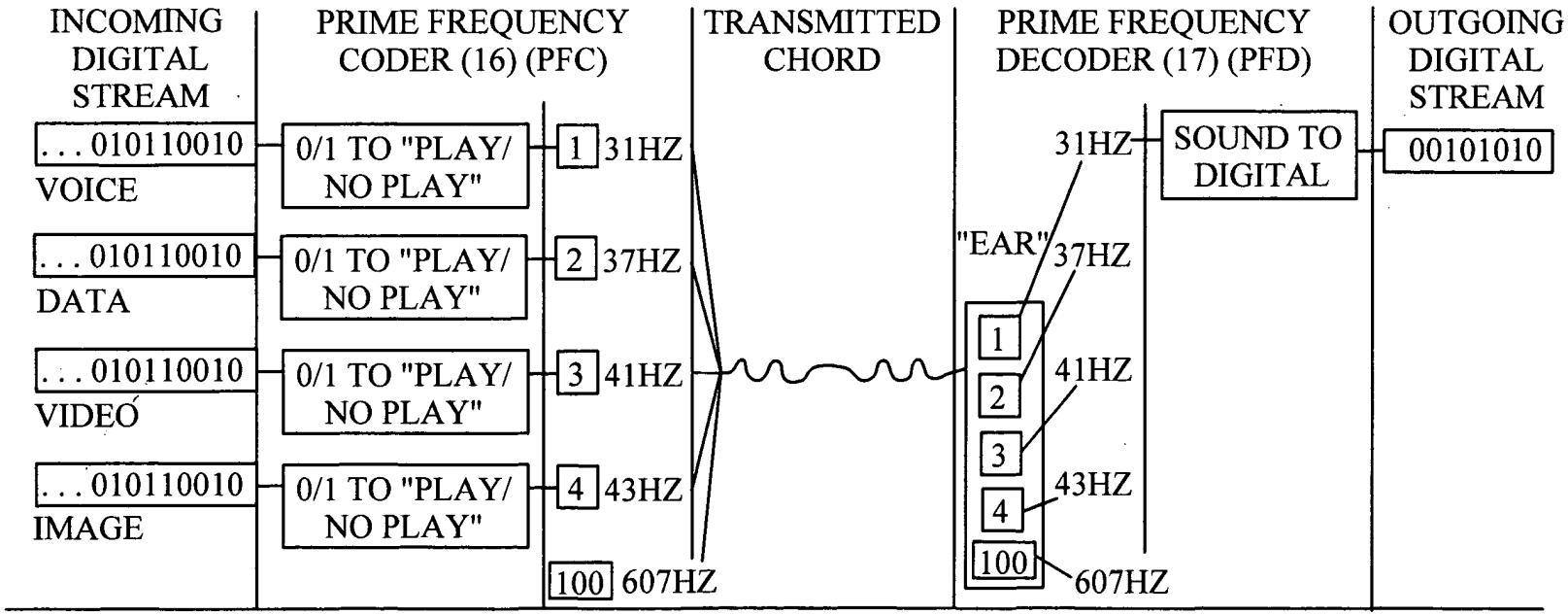

FIG. 2

1/2

APPROVED BY DRAFTSMAN
O.G. FIG. 2
CLASS SUBCLASS

APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

FLOW CHART OF COMPUTER PROGRAM

PRIME FREQUENCY TABLE
(CONTAINS TABLE OF 100 TO 10,000 PRIME NUMBERS)

1 - 31	5 - 47	9 - 73	
2 - 37	6 - 53	10 - 79	.....
3 - 41	7 - 67	11 - 83	100 - 607
4 - 43	8 - 71	12 - 893	

(PRIME NUMBERS NEAR 60 ARE EXCLUDED)
EXTERNAL PRE-PROGRAMMED CSV FILE

INCOMING DIGITAL STREAM
BINARY SEQUENCE

ASSIGN PRIME FREQUENCY
TEST FOR LOWEST AVAILABLE SLOT, MATCH TO CORRESPONDING PRIME NUMBER

DIGITAL SOUND STREAMS WITH UNIQUE PRIME NUMBER FREQUENCY

CONVERT BINARY SEQUENCE TO SEQUENCE OF:
0 = ONE BIT SIGNAL OF "NO PLAY" REGISTERS AS ONE TIME SLOT OF SILENCE
1 = ONE BIT SIGNAL OF "PLAY" AT ASSIGNED PRIME FREQUENCY HERTZ CYCLE
THIS FORMS A **DIGITAL SOUND STREAM.** THE SOUND STREAM IS STILL COMPRISED OF A SEQUENCE OF 0'S AND 1'S , BUT "PULSED" AT A PRIME FREQUENCY, (THERE IS NO ACTUAL SOUND) TIME SLOT IS 10E-5 SECONDS.

DIGITAL SOUND STREAMS FROM ALL CHANNELS ARE SIMULTANEOUSLY TRANSMITTED OVER TRANSMISSION MEDIUM AS A DISHARMONIC SOUND "CHORD"

. . . TRANSMISSION MEDIUM CAN BE **T-1, ISDN,**FRAME RELAY, COPPER WIRE
. . . TRANSMISSION MEDIUM CAN BE ANY MEDIUM CAPABLE OF CARRYING DIGITAL TRANSMISSION

DIGITAL SOUND STREAMS ARE SEPARATED ACCORDING TO PRIME FREQUENCY SIGNATURE AND MATCHED TO CORRESPONDING CHANNEL *

IF SOUND BIT IS COMPRISED OF THE FREQUENCY CORRESPONDING TO CHANNEL 1 (31 HZ) THEN DIRECT SOUND BIT TO CHANNEL 1
IF SOUND BIT IS COMPRISED OF THE FREQUENCY CORRESPONDING TO CHANNEL 2 (31 HZ) THEN DIRECT SOUND BIT TO CHANNEL 2
IF SOUND BIT IS COMPRISED OF THE FREQUENCY CORRESPONDING TO CHANNEL 100 (607 HZ) THEN . . . .

CHANNEL 1 (31 HZ) | CHANNEL 2 (37 HZ) | CHANNEL 3 (41 HZ) | . . . ETC

CONVERT SEQUENCE OF "PLAY"/ "NO-PLAY" TO BINARY SEQUENCE → OUTGOING DIGITAL STREAM BINARY SEQUENCE

* SEPARATION OF EACH DIGITAL SOUND STREAM FROM THE DISHARMONIC SOUND CHORD IS ACCOMPLISHED BY USING 4 STANDARD **DSP** COMPUTER CHIPS (DIGITAL SOUND PROCESSORS), EACH OF WHICH HAS A MINIMUM PROCESSING POWER 0F 10 **MIPS.**

FIG. 3